DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGY SURVEY

114°15' 114°00' 113°45' 49°00'

Hoie-in-the-Wall Area

Mt. Cleveland Area

Kootenai Peak Area

Redhorn Peak Area

Fifty Mountain Area

Granite Park Area

FLATHEAD NORMAL FAULT

LEWIS THRUST FAULT

EXPLANATION

Ypl	Middle Proterozoic Purcell Lava
Yd	Dike cross-cutting Purcell Lava

OPEN-FILE REPORT 84-0853
SHEET 1 OF 1

114°00'

113°45'

49°00'

Hole-in-the-Wall Area

Mt. Cleveland Area

Kootenai Peak Area

Redhorn Peak Area

Fifty Mountain Area

Granite Park Area

FLATHEAD NORMAL FAULT

LEWIS THRUST FAULT

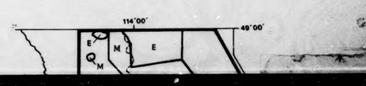
48°45'

Mapped in 1982 and 1983

EXPLANATION

Ypl	Middle Proterozoic Purcell Lava
Yd	Dike cross-cutting Purcell Lava

MAP LOCATION



Kootenai Peak Area

Redhorn Peak Area

Fifty Mountain Area

Granite Park Area

Apgar Mountains Area

FLATHEAD NORMAL FAULT

LEWIS THRUST FAULT

Ypl

Yd

Pd

D U

48°45'

113°45'

114°00'

EXPLANATION

Ypl	Middle Proterozoic Purcell Lava
Yd	Dike cross-cutting Purcell Lava
Pd	Dike, probably Precambrian in age, relationship to Purcell Lava unknown
D U	Normal Fault
	Thrust Fault, Sawteeth on upper plate
	Syncline
25	Strike and dip of sedimentary strata
	Contact

All faults and contacts are dashed where approximately located, dotted where concealed

SCALE 1:50 000

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

Base from U.S.Geological Survey 1:24,000 quadrangles
Ahern Pass, 1960 Camas Ridge East, 1968 Camas Ridge West, 1968
Demers Ridge, 1966 Gable Mtn., 1968 Huckleberry Mtn., 1968
Kintla Peak, 1968 Lake McDonald West, 1968 Lake Sherburne, 1968
Logan Pass, 1968 Many Glacier, 1968 Mc Gee Meadow, 1966
Mt. Cannon, 1968 Mt. Carter, 1968 Mt. Cleveland, 1968 Mt. Geduhn, 1968
Porcupine Ridge, 1968 Quartz Ridge, 1968 Rising Sun, 1968 Vulture Peak, 1968

MAP SHOWING LOCATION OF PURCELL LAVA IN GLACIER NATIONAL PARK, MONTANA

By
Robert G. McGimsey

1984

Kootenai Peak Area

Redhorn Peak Area

Fifty Mountain Area

Granite Park Area

Apgar Mountains Area

FLATHEAD NORMAL FAULT

LEWIS THRUST FAULT

Ypl

Yd

Pd

D U

48°45'

113°45'

114°00'

Mapped in 1982 and 1983

EXPLANATION

Ypl	Middle Proterozoic Purcell Lava
Yd	Dike cross-cutting Purcell Lava
Pd	Dike, probably Precambrian in age, relationship to Purcell Lava unknown
D U	Normal Fault
	Thrust Fault, Sawteeth on upper plate
	Syncline
25	Strike and dip of sedimentary strata
	Contact

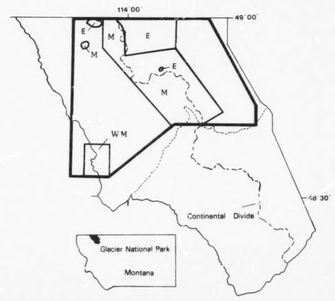
All faults and contacts are dashed where approximately located, dotted where concealed

SCALE 1:50 000

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

N
MN
20

MAP LOCATION



MAP SHOWING LOCATION OF PURCELL LAVA IN GLACIER NATIONAL PARK, MONTANA

By
Robert G. McGimsey

1984

Base from U.S Geological Survey 1:24,000 quadrangles
Ahern Pass, 1960 Camas Ridge East, 1968 Camas Ridge West, 1966
Demers Ridge, 1966 Gable Mtn., 1968 Huckleberry Mtn., 1966
Kintla Peak, 1968 Lake McDonald West, 1968 Lake Sherburne, 1968
Logan Pass, 1968 Many Glacier, 1968 Mc Gee Meadow, 1966
Mt. Cannon, 1968 Mt. Carter, 1968 Mt. Cleveland, 1968 Mt. Geduhn, 1968
Porcupine Ridge, 1968 Quartz Ridge, 1968 Rising Sun, 1968 Vulture Peak, 1968

SOURCE OF MAPPING

M: mapping by R. G. McGimsey

E: from Earhart and others, 1983

W-M: mapping by J. W. Whipple and R. G. McGimsey

Structures are from Earhart and others (1983), except for the Lewis Thrust fault which is from Ross (1959).

REFERENCES

Earhart, R. L., Raup, O. B., Conner, J. J., Carrara, P. E., McGimsey, D. H., Constenius, K. N., and Van Loenen, R. E., 1983, Preliminary geologic map and cross sections of the northwest part of Glacier National Park, Montana: U.S. Geological Survey Map MF-1604-A.

Ross, C. P., 1959, Geology of Glacier National Park and the Flathead region, northwestern Montana: U.S. Geological Survey Professional Paper 296, 125 p.

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.